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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/813,323	03/29/2004	Ichiro Mitsuyoshi	P/1250-271	5119
2352 7	590 11/13/2006		EXAMINER	
OSTROLENK FABER GERB & SOFFEN			HERRERA, JENNIFER	
1180 AVENUI NEW YORK,	E OF THE AMERICAS NY 100368403		ART UNIT	PAPER NUMBER
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DATE MAILED: 11/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summer		10/813,323	MITSUYOSHI, ICHIRO			
	Office Action Summary	Examiner	Art Unit			
		Jennifer P. Herrera	3652			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address			
WHIC - Exter after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE in a sions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. It is period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tin rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	I. lely filed the mailing date of this communication D (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on 29 Se	entember 2006				
·	• • • • • • • • • • • • • • • • • • • •	action is non-final.				
- '=	Since this application is in condition for allowan		secution as to the merits is			
٧,۵	closed in accordance with the practice under E			•		
Dispositi	on of Claims					
	Claim(s) <u>1-6</u> is/are pending in the application.					
•	4a) Of the above claim(s) is/are withdraw	n from consideration				
		m nom consideration.				
	☐ Claim(s) is/are allowed. ☑ Claim(s) <u>1-6</u> is/are rejected.					
•	Claim(s) is/are rejected. Claim(s) is/are objected to.					
·	Claim(s) are subject to restriction and/or	alection requirement				
السارة	ciain(s) are subject to restriction and/or	election requirement.				
Applicati	on Papers					
9)[The specification is objected to by the Examiner					
10)⊠ The drawing(s) filed on <u>9/29/06</u> is/are: a)□ accepted or b)⊠ objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
	Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is ob	ected to. See 37 CFR 1.121(c	d).		
11)	The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.			
Priority ι	ınder 35 U.S.C. § 119					
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau see the attached detailed Office action for a list of	have been received. have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National Stage			
2) 🔲 Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da	ite			
	nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	5) Notice of Informal P 6) Other:	atent Application			
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DETAILED ACTION

Drawings

As stated by the Examiner in the Office Action dated June 22, 2006.

- 1. The drawings are objected to because reference numbers "11" and "112" were not described in the specification.
- 2. In Figure 7, reference number "188c" is used for the movable part for two different shelves "181c" and "181e". As understood by the examiner, "188c" used with shelf "181e" should be "188e."

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet"

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or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 1. Claims 1-3 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Perlov et al. (U.S. 6,283,692 B1) in view of Mages et al. (U.S. 6,736,582 B1). Perlov teaches:
 - a. a substrate processing unit 10 in column 2, lines 57-61;
 - b. a substrate transfer unit 24 in column 2, line 67 and column 3, lines 1-6;
 - c. a mounting part 58 in column 3, lines 49-53;
 - d. a first and second shelf lines in column 4, lines 16-23;
 - e. a transport element 76 in column 4, lines 32-39.

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Perlov does not teach the displacement element vertically moving at least one shelf of the plurality of shelves. Mages teaches the connection 17 and 18 of the displacement element 4 of said plurality of shelves and second shelf line in column 4, lines 61–67 and column 5, lines 1–5. Mages also teaches an independent displacing mechanism in column 4, lines 61–67 and column 5, lines 1–5 and lines 16–28. Therefore it would have been obvious to a person of ordinary skill in the art at the time of the invention to add Mages displacing mechanism to Perlov's plurality of shelves to allow independent movement between shelves and maximize the transportation of the substrate while minimizing the restriction of rigid parts. The ability to adjust vertical displacement between shelves depending on the substrate's size and shape negates any limitation of the device.

As stated by the Examiner in the Office Action dated June 22, 2006.

- 2. Claims 4 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over

 Perlov in view of Mages as applied to claims 1-3 above, and further in view of Yamada

 et al. (U.S. Publication 2002/0141850 A1)("Yamada").
 - a. Regarding claim 4, Perlov discloses the ability of having different amount of shelves as well as shelf lines in column 4, lines 16–23. Perlov and Mages do not disclose displacement capable to range within the height of the first shelf line.

 Yamada discloses the displacement of the second shelf line within the height of

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the first shelf line in paragraph 0017 and in lines 1–8 in paragraph 0060.

Therefore it would have been obvious to a person of ordinary skill in the art at the time of the invention to add Yamada's displacement movement to Perlov's and Mages' device to provide a functionality of the device to allow a greater range of movement of the second shelf line while keeping the space provided in the clean room in mind.

b. Regarding claim 5, Perlov and Mages do not disclose displacement corresponding to the second predetermined interval. Yamada discloses the displacement corresponding to the second predetermined interval in paragraph 0017 and in lines 1–8 in paragraph 0060. Therefore it would have been obvious to a person of ordinary skill in the art at the time of the invention to add Yamada's displacement to Perlov's and Mages' device to insure the use of the device for the infinite number of sizes and shapes of substrates.

Response to Amendment

The amendments filed September 29, 2006 to the claims, specification, and drawings have been entered into the record.

Response to Arguments

Applicant's arguments with respect to claims 1 have been considered but are moot in view of the new ground(s) of rejection. Applicant's arguments filed September 29,

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2006 have been fully considered but they are not persuasive. Regarding the argument of moving the container from the first shelf to another shelf without moving an object in the second shelf in the same direction plane is taught by Perlov. Perlov teaches that each column of shelves may include one, two, three, or more shelves; there is no fixed number of shelves per column. Mages teaches the displacing element for the plurality of shelves, which allows the spacing between first and second shelf an alignment to move a container without moving an object from the second shelf.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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Conclusion

Any inquiry concerning this communication or earlier communications from the

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examiner should be directed to Jennifer P. Herrera whose telephone number is (571)

272-6269. The examiner can normally be reached on 0830-1700 hrs Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Eileen Lillis can be reached on (571) 272-6928. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR. Status

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Customer Service Representative or access to the automated information system, call

800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JPH

10/30/06

EILEEN D. LILLIS SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 3600